## **SOLARLINK FR600**

Self-Powered and Solar-Powered AM/FM/Shortwave Radio with NOAA Weatherband, Flashlight, Siren and Cell Phone Charger





#### DO YOU NEED HELP?

If you need help, please contact us, Monday-Friday, 8:30 a.m.-4:00 p.m., North American Pacific Time. 1-800-872-2228 from the U.S; 1-800-637-1648 from Canada; 650-903-3866, worldwide; FAX: 650-903-3867; web site, www.etoncorp.com; Etón Corporation, 1015 Corporation Way, Palo Alto, CA 94303, USA

#### **WARNING**

- Do not expose this appliance to rain or moisture.
- Do not submerge or expose for extended period to water.
- Protect from high humidity and rain.
- Unplug immediately if liquid has been spilled or object have fallen into the apparatus.
- Clean only with a dry cloth. Do not use detergents or chemical solvents as this might damage the finish.
- Unplug and disconnect external antennas (not included) during lightning storms.
- Do not remove cover [or back].
- Refer servicing to qualified service personnel.

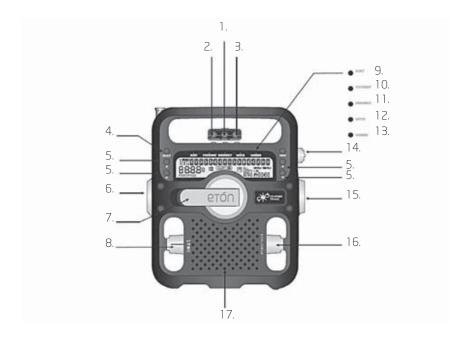
## **Environment Disposal**



According to the European Directive 2002/96/EC all electrical and electronic products must be collected separately by a local collection system.

Please act according to your local rules and do not dispose of your old products with your normal household waste.

#### **LOCATION OF CONTROLS**



- 1) Snooze: 5 Min Snooze
- 2) Alarm ON/OFF: actiivate/deactivate alarm function
- 3) ALERT ON/OFF:open/close alert bell
- 4) Select Button
- 5) Direction Buttons
- 6) Flashlight
- 7) Hand Crank
- 8) Multifunctional Knob
- 9) Alert Indicator Light
- 10) Statement Indicator Light
- 11) Emergency Indicator Light
- 12) Watch Indicator Light
- 13) Warning Indicator Light

- 14) Power Supply Knob
- 15) Band Selecting Knob
- 16) Volume Adjusting Knob
- 17) Speaker



- 18) PHONE CHARGER: USB Jack for Charging the Cellphone
- 19) DC in:USB Jack for charging the Radio(small)
- 20) DC in Jack (Adaptor)
- 21) Earphone Jack
- 22) Audio Jack
- 23) Battery Compartment

#### **POWERING AND TURNING ON THE RADIO**

The unit is powered with 3 AA batteries, the solar cell, the Dynamo (rechargeable Ni-MH battery), the AC adaptor (not included) or the DC computer input. Select BATTERY, SOLAR or DYNAMO power with the Power Supply Knob on the upper right side of the radio. The power sockets are on the back of the radio, under the

rubber covers. After applying power, select the correct position with the Power Supply Knob and place the Band Selecting Knob in the AM, FM, SW, WB or Alert position to turn it on. Turn it off by placing the Band Selecting Knob in the OFF position.

**Note:** The radio can be played while it's charging.

#### **BATTERY POWER**

Open the battery compartment cover, you can find two groups of sockets for installing the batteries. One group of sockets is for the rechargeable Ni-MH batteries and the other group of sockets is for the AA batteries.

Install 3 AA batteries and set the power selector switch to the BATTERY position.

#### **SOLAR POWER**

When you're in sunlight set the power switch to the SOLAR position. This position also recharges the Ni-MH rechargeable battery.

**Note:** The rechargeable Ni-MH batteries have been disconnect for transportation purposes. To use the crank-charge system, open the battery compartment cover and connect the rechargeable batteries' plug into its socket.

#### **DYNAMO POWER**

The rechargeable Ni-MH (nickel-metal-hydride) battery is in the battery compartment. To use it plug the battery into the socket adjacent to it, then set the power switch to the DYNAMO position. You may have to charge the battery; to do this turn the crank for 90 seconds. The rechargeable battery will eventually lose its ability to hold a charge.

#### DC-IN 5V ADAPTOR (not included)

This socket is located on the back of the radio, under the rubber plugs. Plug in the AC adapter to the DC IN 5 volt socket. This also charges the Ni-MH battery.

#### **DC-IN USB COMPUTER SOCKET** (USB cord not included)

This socket is located on the back of the radio, under the rubber plugs. Plug in the USB cord to the DC IN socket. This also charges the Ni-MH battery.

#### **VOLUME CONTROL**

Turning the Volume Adjusting Knob (located on the lower right of the radio) clockwise turns up the volume; counterclockwise turns down the volume. Always turn down the volume before using earphones.

## **CHARGING CELL PHONES** (cell phone charging cord included)

If you revolve the Power Supply Knob to the OFF/PHONE CHARGER position the radio will charge cell phones. Plug the cell phone charging cord into the USB PHONE CHARGER jack at the rear of the radio. Plug the cell phone charging adapter tip into the other end of the cord and then into the jack of the cell phone. Then put the radio in the sun or revolve the hand crank to charge the cell phone. About 10 minutes of cranking results in one or two short emergency calls.

**NOTE:** When charging a cell phone via the USB cell phone charger, it is important to turn the crank at least 2 revolutions per second, or until you see the green or orange LED above the crank handle

turn on. This is an indication that the phone is receiving enough power from the radio. Continue to crank at this rate until you are satisfied that an appropriate level of charge has been received by your cell phone. If you decide to stop cranking for whatever reason, please wait at least 5 seconds before beginning to crank again. Not following these instructions may cause damage to your cell phone for which Eton disclaims any liability and will not be held liable for any actual or consequential damages related to this matter.

#### **SETTING THE DATE**

- 1. Revolve the **<Band Selecting Knob>** to the "**OFF**" position.
- 2. Press **<MENU>** button shortly to enter the setting menu.
- 3. Press <▲> or <▼> shortly to select "SET UP---DATE" option.



- 4. Press **<SELECT>** shortly once to enter the date setting mode.
- 5. Press <◀> or <▶> shortly to select "MONTH--DAY--YEAR" option.



- 6. Press <▲> or <▼> shortly to set "MONTH--DAY--YEAR" option.
- 7. After setting, press **<SELECT>** shortly to save.

#### **SETTING THE CLOCK**

- 1. Revolve the **<Band Selecting Knob>** to the "**OFF**" position.
- 2. Press **<MENU>** button shortly to enter the setting menu.
- 3. Press <▲> or <▼> shortly to select "SET UP---TIME" option.



- 4. Press **<SELECT>** shortly once to enter the time setting mode.
- 5. Press <◀> or <▶> shortly to select "HOUR: MINUTE" option.



- 6. Press <▲> or <▼> shortly to set "HOUR: MINUTE" option.
- 7. After setting, press **SELECT>** shortly to save.

**Note:** The clock is a 12-hour clock, showing "AM" in the display in the morning, and showing "PM" in the display starting at noon.

#### **SETTING THE BEEPER ALARM**

This radio's alarm beeps when it activates.

#### 1. SETTING THE ALARM TIME

- 1) Revolve the **<Band Selecting Knob>** to the "**OFF**" position.
- 2) Press **<MENU>** button shortly to enter the setting menu.

3) Press <▲> or <▼> shortly to select "SET UP ALARM--ALM" option.



- 4) Press **<SELECT>** shortly once to enter the date setting mode.
- 5) Press <◀> or <▶> shortly to select "HOUR: MINUTE" option.



- 6) Press <▲> or <▼> shortly to set "HOUR: MINUTE" option.
- 7) After setting, press **SELECT>** shortly to save.

#### 2. ACTIVATING AND DEACTIVATING THE ALARM

Press **<ALARM ON/OFF>** shortly to activate or deactivate the alarm.

If the alarm function is activated, the alarm symbol " AL" and alarm time will appear in the display. When the alarm time is reached, the unit will beep.

If the alarm function is deactivated, the alarm symbol " AL " and alarm time will disappear from the display.

#### 3. SNOOZE BUTTON

When the alarm activates, pressing the **SNOOZE** button shortly deactivates it for 5 minutes ("(zzz)" appears in the display), then it starts again.



#### **BROADCAST RECEPTION**

- 1. Select the power supply mode.
- 2. Select the band:

**FM Band:** Revolve the **<Band Selecting Knob>** to "**FM**" position.

**AM Band:** Revolve the **<Band Selecting Knob>** to "**AM**" position.

**SW Band:** Revolve the **Selecting Knob** to "**SW**" position.

- 3. Adjust the volume: Revolve **< Volume Adjusting Knob>** to adjust the volume level.
- 4. Tuning in stations:

**Manual Tuning:** Press <▲> or <▼> shortly to tune.

**Auto Tuning:** Press and hold <▲> or <▼> to tune.

**Note:** When listening to FM, pull up the telescopic antenna all the way. When tuning AM stations the telescopic antenna is not needed and can be lowered.

5. Save stations: While receiving the approving station, press < MENU > shortly once, "MEMORY" appears in the display. Press < ✓ > or < ▶ > shortly to select the address for saving. Then press <SELECT > shortly to save the station. (Note: FM: 20 memories; AM: 10 memories.)



- 6. Recall stations: When listening to the radio, press <◀> or <▶> shortly.
- 7. Turn off: Revolve the **<Band Selecting Knob>** to "**OFF**" position.

#### **SHORTWAVE LISTENING**

To learn about shortwave we recommend the two publications below, published yearly and available from major booksellers. Additionally, the Internet is a great resource for learning about shortwave. Type 'shortwave reception' into your favorite search engine.

**PASSPORT TO WORLD BAND RADIO** Published by International Broadcasting Services (IBS); IBS North America, Box 300, Penn's Park PA 18943. Phone: (215) 598-9018. www.passband.com.

**WORLD RADIO TV HANDBOOK** Published in the USA by Watson-Guptill Publications, 770 Broadway, 7th Floor, New York, NY 10003-9595. www.watsonguptill.com.

#### **OPTIMIZING SHORTWAVE RECEPTION**

Shortwave enables listening to broadcasts over vast distances including other countries and continents. The following information will help you get the best results.

- During the day, frequencies above 13 MHz are usually best.
- At night, frequencies below 13 MHz are usually best.
- Around sunset and sunrise, the entire shortwave range may be good.
- Getting very close to a window and holding the radio improves shortwave reception.

Use the frequency ranges (Bands) below for shortwave broadcast reception:

BANDE	MEGAHERTZ (MHz)	KILOHERTZ (KHz)		
120 m	2.300-2.495 MHz	2300- 2495 KHz		
90 m	3.20-3.40 MHz	3200- 3400 KHz		
75 m	3.90-4.05 MHz	3900- 4050 KHz		
60 m	4.750-5.1 MHz	4750-5100 KHz		
49 m	5.8-6.2 MHz	5730-6300 KHz		
41 m	7.1-7.60 MHz	6890-7600 KHz		
31 m	9.4-10 MHz	9250-9995 KHz		
25 m	11.5-12.2 MHz	11500-12200 KHz		
22 m	13.57-13.87 MHz	13570-13870 KHz		
19 m	15.000-15.800 MHz	15005-15825 KHz		
16 m	17.55-18 MHz	17480-17900 KHz		
15 m	18.9-19.02 MHz	18900-19020 KHz		
13 m	21.45-21.85 MHz	21450-21850 KHz		

#### **RECEPTION OF WEATHER FREQUENCIES**

To hear your local weather station, pull up the antenna, turn on the radio and select WB with the band selector. Turn up the volume and press the ▲▼buttons to hear all 7 weather channels. You'll probably only hear one channel, but if you hear a weather broadcast on more than one, select the strongest. The strongest one will usually be your local weather station. Below are the frequencies that correspond to the radio's channels:

Channel 1 162.400 MHz Channel 2 162.425 MHz Channel 3 162.450 MHz Channel 4 162.475 MHz Channel 5 162.500 MHz Channel 6 162.525 MHz Channel 7 162.550 MHz

#### **SETTING TO RECEIVE WEATHER ALERTS**

Weather alerts are received in three ways:

- 1. Alert indicator light is on.
- 2. Alert forecast appears in the display.
- 3. Alert bell rings.

To set the channel for receiving alerts, use the method below and set it to your strongest channel.

- 1) Revolve the **<Band Selecting Knob>** to "**OFF**" position.
- 2) Press **<MENU>** button shortly to enter the setting menu.
- 3) Press <▲> or <▼> shortly to select "WEATHER" option.



- 4) Press **SELECT>** shortly once to enter the weather setting mode.
- 5) Press <▲ > or <▼ > shortly to select the strongest weather channel (CH1 ~7).
- 6) After setting, press **<SELECT>** shortly to save.

#### **SETTING ALERT MODE**

- 1) Revolve the **<Band Selecting Knob>** to "**OFF**" position.
- 2) Press **<MENU>** button shortly to enter the setting menu.
- 3) Press <▲> or <▼> shortly to select "ALERT MODE" option.



- 4) Press **SELECT>** shortly once to enter the alert mode setting mode.
- 5) Press < ▲ > or < ▼ > shortly to select the alert mode (SIREN & VOICE).

**Note:** The selected alert mode will appear in the display.

6) After setting, press **SELECT>** shortly to save.

## SETTING COUNTY CODES (CLC CODES IN CANADA) County code setting is described below.

A county code instructs the radio only to receive an ALERT when the code is programmed in. Look up a United States county code at the following web site:

http://www.nws.noaa.gov/nwr/indexnw.htm#sametable

Look up a Canadian CLC code at:

http://www.msc-smc.ec.gc.ca/msb/weatheradio/transmitter/index\_e.cfm

Your radio can be set for one (SINGL) to 23 (MULTI) codes, or can be set to receive ALL coded information sent from any transmitter, if your within range. When you set codes, it will only pick up alerts when you're in that county or within reception distance of the signal.

To set codes:

- Revolve the **Selecting Knob** to the "**OFF**" position.
- 2) Press the **MENU>** button shortly to enter the setting menu.
- 3) Press ▲ or ▼shortly to select the "COUNTY CODE" option.



- 4) Press **SELECT>** shortly once to enter the county code setting mode (MULTI, SINGL or ALL), which blinks in the display.
- 5) If you don't know your county code, select ALL with ▲or ▼and press **<SELECT>** and then **<MENU>** TO EXIT. If you know your code, don't press SELECT and go to the next section.
- 6) Press ▲ or ▼ shortly to select MULTI or SINGL and press <**SELECT>**.
- 7) Press **SELECT>** shortly again to enter the code. CODE 01 XXXXXX appears in the display, with 01 flashing.
- 8) Press **<SELECT>** again and the first digit of six starts flashing. Press ▲ or ▼ to set the first digit and then press ▶ to go to the second digit, doing this again and again until all six digits are entered.
- 9) If you're in SINGL, press **SELECT>** and then **MENU>** to exit. If in MULTI, go to the next step.
- 10) If you're in MULTI and wish to enter more codes, press **<ENTER>**.
- 11) 01 flashes. Press ▲or ▼ to go to another code setting number (1-23 flashes) and press **<ENTER>**.
- 12) The first digit of six flashes, use or to set it and press to enter the next number, doing this again and again until all six digits are entered.
- 13) Press **<ENTER>** to choose another code number (1-23) and when your finished press **<ENTER>** and then MENU to exit.

#### **RECEPTION OF EVENT CODES**

Your radio can receive 'event code' information during weather alerts. These codes are identified at http://www.nws.noaa.gov/os/eas\_codes.shtml.

Canadian Weather Alerts are addressed at: http://www.msc-smc.ec.gc.ca/cd/brochures/warning\_e.cfm#top.

#### **SELECTING DISABLE/ENABLE**

Alert modes can be selected to not appear by selecting DISABLE or to appear by selecting ENABLE.

- 1) Revolve the **<Band Selecting Knob>** to "**OFF**" position.
- 2) Press <MENU> button shortly to enter the setting menu.
- 3) Press <▲> or <▼> shortly to select "DEFEAT" option.



- 4) Press **SELECT>** shortly once to enter the DEFEAT setting mode.
- 5) Press <▲> or <▼> shortly to select the alert message you wish to defeat or enable.
- 6) Press < ▲ > or < ▼ > to select DISABLE or ENABLE (printed under the message on right side of display).
- 7) After setting, press **<SELECT>** shortly to save.

#### **ALERT**

Before using the **ALERT** function, set the radio to the strongest weather band station. After setting, revolve the **<Band Selecting Knob>** to "**ALERT**" position. The alert indicator light will be on.

#### **OPEN / CLOSE THE ALERT BELL**

While the alert bell is ringing, you can press the **<ALERT-ON/ OFF>** button (in the space above the display – right side) shortly to shut off the ringing, then press it shortly again to resume ringing.

#### **MULTIFUNCTION KNOB**

The function switch has four positions. The top position is the **OFF** position, then the **FLASHLIGHT**, **SOS** and **SIREN** position. All positions except **OFF** are labeled with an icon.

The **OFF** position turns the function switch off.

The **FLASHLIGHT** position " > " turns the white lights on (left side of radio) with the radio on or off.

The **SOS** position " " turns the red flashing light on. Can be used with the radio on or off.

The **SIREN** position " it turns on the siren. Can be used with the radio on or off.

#### **WARRANTY REGISTRATION**

To ensure full warranty coverage or product updates, registration of your product should be completed as soon as possible after purchase or receipt. You may use one of the following options to register your product:

- 1. By visiting our website at http://www.etoncorp.com.
- 2. Mail in enclosed warranty card.
- 3. Mail your registration card or information to following address; include your name, full mailing address, phone number, email address, model purchased, date purchased, retail vendor name:

#### **Etón Corporation**

1015 Corporation Way Palo Alto, CA 94303 USA

#### LIMITED WARRANTY

Retain the warranty information from your warranty card with your proof of purchase or the Limited Warranty information can also be viewed at www.etoncorp.com.

#### **SERVICE FOR YOUR PRODUCT**

To obtain service for your product, we recommend first contacting an Etón service representative at 1-800-872-2228 US, 1-800-637-1648 Canada, (650) 903-3866 US, customersvc@etoncorp. com or your respective country distributor in Europe (see enclosed list) for problem determination and trouble-shooting. If further service is required, the technical staff will instruct how to proceed based on whether the radio is still under warranty or needs non-warranty service.

**WARRANTY** – If your product is still in warranty and the Etón service representative determines warranty service is needed, a return authorization will be issued and instructions will be given. DO NOT ship your radio back without obtaining the return authorization.

**NON-WARRANTY** – If your product is no longer under warranty and requires service, the Etón service representative will refer you to the nearest repair facility that will best handle the repair.

For service outside North America, please refer to the distributor information included at time of purchase/receipt.



### **Etón Corporation**

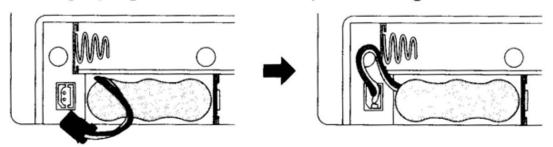
Corporate Headquarters 1015 Corporation Way Palo Alto, California 94303 USA tel +1 650-903-3866 tel +1 800-872-2228 fax +1 650-903-3867

#### **Etón Canada**

1 Yonge Street, Suite 1801 Toronto, Ontario M5E 1W7 Canada tel +1 416-214-6885

## READ THIS FIRST

The rechargeable NiMh battery has been disconnected for transportation purposes. To use the crank-charge system, open the battery compartment and connect the rechargeable battery's plug into its socket, as per the diagram below:



## **?** QUESTIONS

Etón Corporation 1015 Corporation Way Palo Alto, CA 94303, USA

1.800.872.2228 U.S. 1.800.637.1648 Canada 1.650.903.3866 World-Wide www.etoncorp.com customersvc@etoncorp.com

# **Standard of Quality**

### Limited Warranty and Product Registration

### USA

### Etón Corporation

Corporate Headquarters 1015 Corporation Way Palo Alto, CA 94303

www.etoncorp.com

### Canada

#### **Etón Electronics Canada LTD**

Toronto Office 1 Yonge Street, Suite 1801 Toronto, Ontario M5E 1W7

www.etoncorp.com



### **Etón Product Registration**

Go to: www.etoncorp.com/productregistration, or mail this form today.

Cell Phone Model #*:
Serial number*: (located in the back of the unit)
Date of purchase*:
Dealers name*:
City*:
Country/Territory*:
Name*:
Address*:
City*:
State/Provice*:
Postal Code/ZIP Code*:
Country/Territory*:
Telephone Number*:
Email*:

1.	Your annual inco	me?				
	O Under \$14,999		O \$50,001 to \$75,000			
	O \$15,000 to \$30,000					
	O \$30,001 to \$50	,000				
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2.	Your age?					
	O Under 16	O 31-3	35	O 51-55		
	O 16-20	O 36-4	40	O 56-60		
	O 21-25	O 41-4	<b>1</b> 5	O 61 and ove	er	
	○ 26-30	O 46-5	50			
3.	What are your li	stening	interests	? (Check all t	hat apply)	
	O Satellite Radio		O si	hortwave/Interi	national Broadcast	
	O Local AM/FM				iational broadcast	
4.	Did you consider	anothe	r unit bef	ore choosing	this product?	
	O Yes (Please Specify Model):					
	O No	_	•			
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5.	What is your occ	upation	!			
6.	How did you hea	r about	Etón?			
	O Newspaper ad		O Article			
	O Radio ad		O Web Sea	arch		
	O Through a retaile	er	O Other_			
0	Yes! I would lik	e Etón	to send r	ne informat	ion	
	on products ind	luding	special o	ffers, new p	roduct	
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	_				"OTÓO	
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#### LIMITED WARRANTY

Etón Corporation (Etón) offers a limited warranty to the original customer against manufacturing defects in material and workmanship on this product. This warranty is valid only for the original purchaser and is not transferable.

#### TWO (2) YEARS PARTS AND LABOR - Europe ONE (1) YEAR PARTS AND LABOR - North America

This limited warranty begins on the original date of purchase, and is valid only on products purchased through an authorized Etón retailer. Warranty repairs must be performed by Etón or an authorized service center. To receive warranty service, the original dated bill of sale, or a copy, must be presented upon request as proof of purchase. Installation, removal or reinstallation of the product is not included under this warranty. Shipping to Etón or the authorized service center is the responsibility of the purchaser. For products purchased in Europe, please return to your dealer or the distributor of your country, which is listed on a sheet included in the packaging.

Etón will repair or replace this product, at our option and at no charge, with new or reconditioned parts if this product is found to be defective during the limited warranty period. To be eligible for warranty coverage, the product must be returned with shipping charges prepaid no later than 15 days after the expiration of the warranty period to Etón or the designated service center. Prior to

returning any product for warranty service, the purchaser must contact Etón or the designated service center for troubleshooting and service procedure instructions. Damaged parts or products become the property of Etón. Parts and products replaced by Etón assume the remaining original warranty, or ninety (90) days, whichever is longer.

This limited warranty covers manufacturing defects in material and workmanship encountered in normal, noncommercial use of this product and shall not apply to the following, including, but not limited to: damage that occurs due to applications and uses for which the product was not intended; failures or problems that are caused by products or equipment not supplied by Etón; accidents, misuse, abuse, neglect, misapplication, fire, water, lightning, or other acts of nature; incorrect line voltage, fluctuations, or surges; damage caused by improper or faulty installation; damage caused by acid leakage from improperly installed or defective batteries; product alteration or modification; or use of unauthorized parts, supplies, accessories, or equipment that damage this product or result in service problems.

#### **SERVICE INFORMATION**

To obtain service for your Etón product, first contact an Etón service representative at 1-800-872-2228 US, 1-800-637-1648 Canada or your respective country distributor in Europe (see enclosed list) for troubleshooting. Many common questions and problems can be resolved over the phone.

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